



# COVID-19 UPDATES

---

**11-15-2021**

**Dr. Jennifer Tuteur**

Deputy Chief Medical Officer, Medical Care Services Division  
County of San Diego Health & Human Services Agency



# COVID-19 VACCINE FOR 5-11 YEAR OLDS



LIVE WELL  
SAN DIEGO



## COVID-19 Vaccination for Children 5 through 11 Years Old

- The CDC and the Western States Scientific Safety Review Workgroup recommend that children ages 5-11 be vaccinated against COVID-19 with the Pfizer pediatric vaccine.
  - The vaccine is a 2-dose series given 3 weeks apart. The dose for children 5-11 is one-third of the dose for older adolescents and adults.
- The Pfizer vaccine is the only COVID-19 vaccine currently authorized for use in 5- to 11-year-olds and 12- to 17-year-olds.
- Parents should take their children ages 5 to 11 to their primary pediatrician for a vaccine, but if that is not an option, most County-operated [COVID-19 vaccination sites](#) also carry the Pfizer vaccine, as do many pharmacies, clinics, and other medical providers.


# VACCINATING CHILDREN REDUCES THEIR RISK





LIVE WELL  
SAN DIEGO


## Estimated benefits for every million Pfizer-BioNTech COVID-19 vaccinations in children 5-11 years of age using recent incidence

### Females 5-11 years


 **57,301** COVID-19 cases prevented


 **191** hospitalizations prevented


 **130** MIS-C cases prevented


 **60** ICU admissions prevented

### Males 5-11 years

 **56,954** COVID-19 cases prevented

 **226** hospitalizations prevented

 **130** MIS-C cases prevented

 **72** ICU admissions prevented

Assumptions: Benefits accrue over 180 days (6 months); VE against symptomatic COVID-19: 90%; VE against hospitalization: 95% Data Sources: COVID Data Tracker. <https://covid.cdc.gov/covid-data-tracker/#vaccination-demographic>. COVID Data Tracker [https://covid.cdc.gov/coviddata-tracker/#trends\\_dailycases](https://covid.cdc.gov/coviddata-tracker/#trends_dailycases). COVID-Net [https://gis.cdc.gov/grasp/COVIDNet/COVID19\\_3.html](https://gis.cdc.gov/grasp/COVIDNet/COVID19_3.html). All data are from the week ending on 9/11/2021.

# COVID-19 BOOSTER SHOT



LIVE WELL  
SAN DIEGO

CALIFORNIA

No California adult should be denied a COVID-19 booster shot, state officials say

[The San Diego Union-Tribune](#)

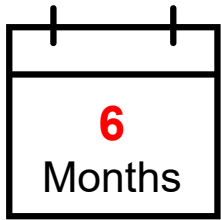
- Health officials are trying to increase the number of Californians getting COVID-19 booster shots.
- On November 9, CDPH shared a [letter](#) saying that patients can self-determine their risk of exposure, and no one should be turned away from getting a booster if they meet this requirement:
  - The patient is 18 or over and it has been at least 6 months since their second dose of the Moderna or Pfizer vaccine or it has been at least 2 months since their J&J vaccine.

“If you think you will benefit from getting a booster shot, I encourage you to go out and get it.”

- Dr. Mark Ghaly, secretary of the California Health and Human Services Agency

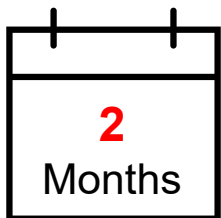


## Who is eligible to receive a COVID-19 booster dose?



You are eligible for a **Pfizer or Moderna** booster dose if you:

- Received your second dose at least **six months ago**, AND
- Are 65 or older, or
- Age 18+ who live in long-term care settings, or
- Age 18+ who have underlying medical conditions, or
- Age 18+ who are at increased risk due to social inequity, or
- Age 18+ who work or live in [high-risk settings](#)



You are eligible for a **Johnson & Johnson** booster dose if you:

- Received your first dose of the Johnson & Johnson vaccine at least **two months ago**, AND
- Are 18 or older

# COVID-19 VACCINE BOOSTERS: FAQs



LIVE WELL  
SAN DIEGO

## **Am I still considered “fully vaccinated” if I don’t get a booster shot?**

- Yes. Everyone is still considered fully vaccinated two weeks after their second dose in a two-shot series, or two weeks after a single-dose vaccine.

## **If we need a booster shot, does that mean that the vaccines aren’t working?**

- No. COVID-19 vaccines are working well to prevent severe illness, hospitalization, and death, even against the Delta variant. However, public health experts are starting to see reduced protection, especially among certain populations, against mild and moderate disease.

## **What about people who have had breakthrough or postvaccination infections?**

- There isn't guidance about boosters for this population yet. If you've had a breakthrough/postvaccination infection, you should consult with your physician.

To learn more, check out the *Additional Dose & Booster Dose FAQs* in [English](#) & [Spanish](#) and [COVID-19 Vaccine Booster Questions & Answers](#)



# MIX AND MATCH BOOSTERS



LIVE WELL  
SAN DIEGO



## What is "mixing and matching"?

**"Mixing and matching" is getting a different COVID-19 booster than your initial vaccine.**

**The CDC advises people to get the same booster as their initial vaccine, but allows people to mix and match if they have a different preference.**

As of 10/22/2021

# UNVACCINATED KIDS VS VACCINATED OLDER ADULTS



LIVE WELL  
SAN DIEGO

**An unvaccinated child may be at less risk of serious COVID illness than a vaccinated 70-year-old.**

## Association Between Risk of COVID-19 Infection in Nonimmune Individuals and COVID-19 Immunity in Their Family Members

COVID-19 vaccines play a key role in reducing the transmission of the virus within families, which likely has implications for herd immunity and pandemic control.

## One-year Risks and Burdens of Incident Cardiovascular Disease in COVID-19: Cardiovascular Manifestations of Long COVID

After the first 30 days of infection, people with COVID-19 are at increased risk of incident cardiovascular disease. The risks and burdens were evident among those who were not hospitalized during the acute phase of the infection.

Last updated with cases reported to CDC on or before October 4, 2021\*

TOTAL MIS-C PATIENTS MEETING CASE DEFINITION\*

5,217

TOTAL MIS-C DEATHS MEETING CASE DEFINITION

46

\*Additional patients are under investigation. After review of additional clinical data, patients may be excluded if there are alternative diagnoses that explained their illness.

There has been a 12% increase in MIS-C cases since late August. Multisystem inflammatory syndrome (MIS) can affect children (MIS-C). It is a rare condition associated with COVID-19 in which different body parts become inflamed.

“It feels like a close call that leans toward vaccination for an individual child — and an easy decision for the sake of a child’s grandparents and everybody else’s grandparents. ‘Unvaccinated people at any age are much more likely to cause transmission relative to vaccinated people,’ Dr. Aaron Richterman of the University of Pennsylvania told me.”

[Covid and Age - The New York Times \(nytimes.com\)](https://www.nytimes.com/2021/09/27/health/covid-children.html)



# BENEFITS OF COVID-19 VACCINATION CONTINUE TO OUTWEIGH RISKS




Guillain-Barré Syndrome (GBS), Thrombosis with thrombocytopenia syndrome (TTS), and Myocarditis have been reported as very rare adverse events following the COVID-19 vaccine. The benefits of COVID-19 vaccination continue to outweigh the risks, and the CDC is actively monitoring these events.

Exposure risk and hospitalization rates for every million doses of vaccine given with U.S. from June 19, 2021		
Group Most Affected by GBS	Prevented COVID-19 Hospitalizations, ICU Admissions, & Deaths	GBS Cases
Males 50 – 64 years old	2,420	14 – 17 cases
Group Most Affected by TTS	Prevented COVID-19 Hospitalizations, ICU Admissions, & Deaths	TTS Cases
Females 30 – 49 years old	1,060	8 – 10 cases
Group Most Affected by Myocarditis	Prevented COVID-19 Hospitalizations, ICU Admissions, & Deaths	Myocarditis Cases
Males 18 – 29 years old	363	22– 27 cases

# INTERNATIONAL TRAVEL



LIVE WELL  
SAN DIEGO

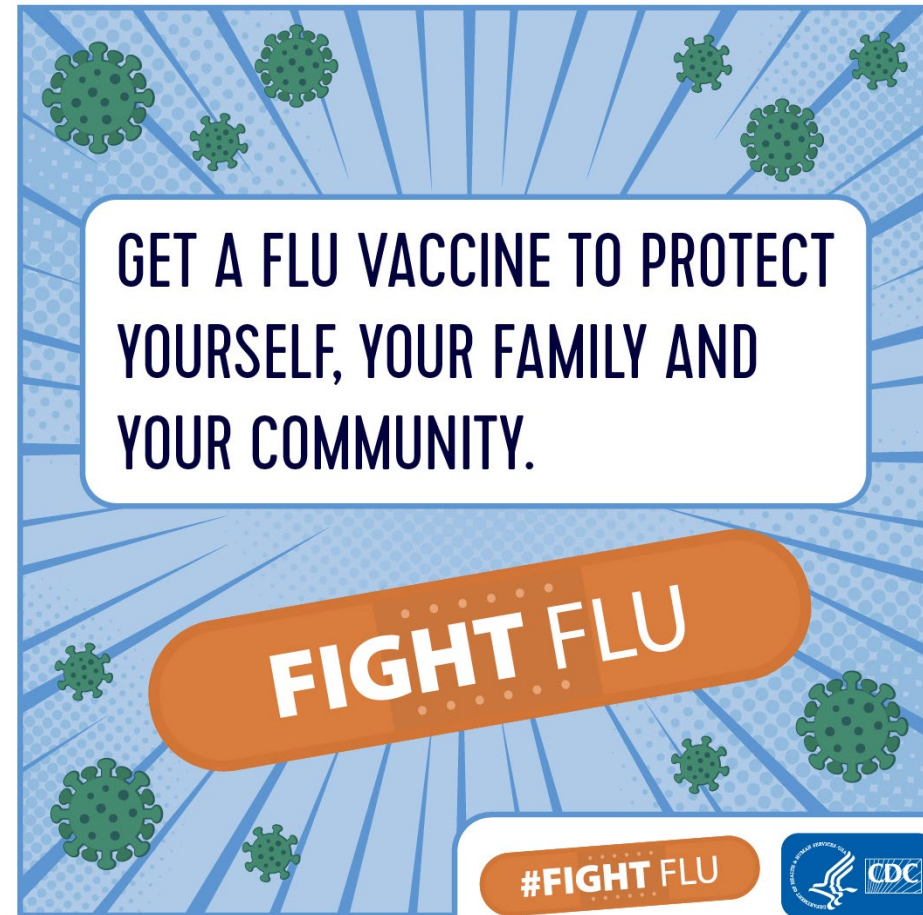
<u>Non-U.S. citizen, Non-U.S. immigrants</u>	<u>U.S. Citizens, U.S. Nationals, U.S. Lawful Permanent Residents, and Immigrants</u>	Both
<ul style="list-style-type: none"><li>You <b>must be fully vaccinated</b> to travel to the United States by plane. Only <a href="#">limited exceptions</a> apply.</li></ul>  <p>Learn how U.S. travel requirements apply to you</p> <p>TAKE THE QUIZ</p> <p>02/27/2021</p>	<ul style="list-style-type: none"><li>Do not travel internationally until you are fully vaccinated. There are additional travel recommendations if you are not fully vaccinated.</li><li>Check the COVID-19 situation and travel requirements for your destination before traveling.</li></ul>	<ul style="list-style-type: none"><li>You must show a negative COVID-19 test result or documentation of recovery from COVID-19 (within the last 90 days) before you board your flight.</li><li>You must wear a mask in indoor areas of public transportation and transportation hubs.</li></ul>

# GET YOUR FLU SHOT & COVID-19 VACCINE



LIVE WELL  
SAN DIEGO

- If you are getting the COVID-19 vaccine or the Pfizer booster shot, get your flu vaccine at the same time!
- You can get **both** vaccines during the **same visit** to your doctor's office or pharmacy.
- You can also get vaccinated at one of the County's [Flu Vaccine Locations](#) or [COVID-19 Vaccination Sites](#).



[Frequently Asked Flu Questions](#)  
[2021-2022 Season](#)

# OVER 5 MILLION COVID-19 DEATHS



More than 5 million people have died from COVID-19 worldwide.



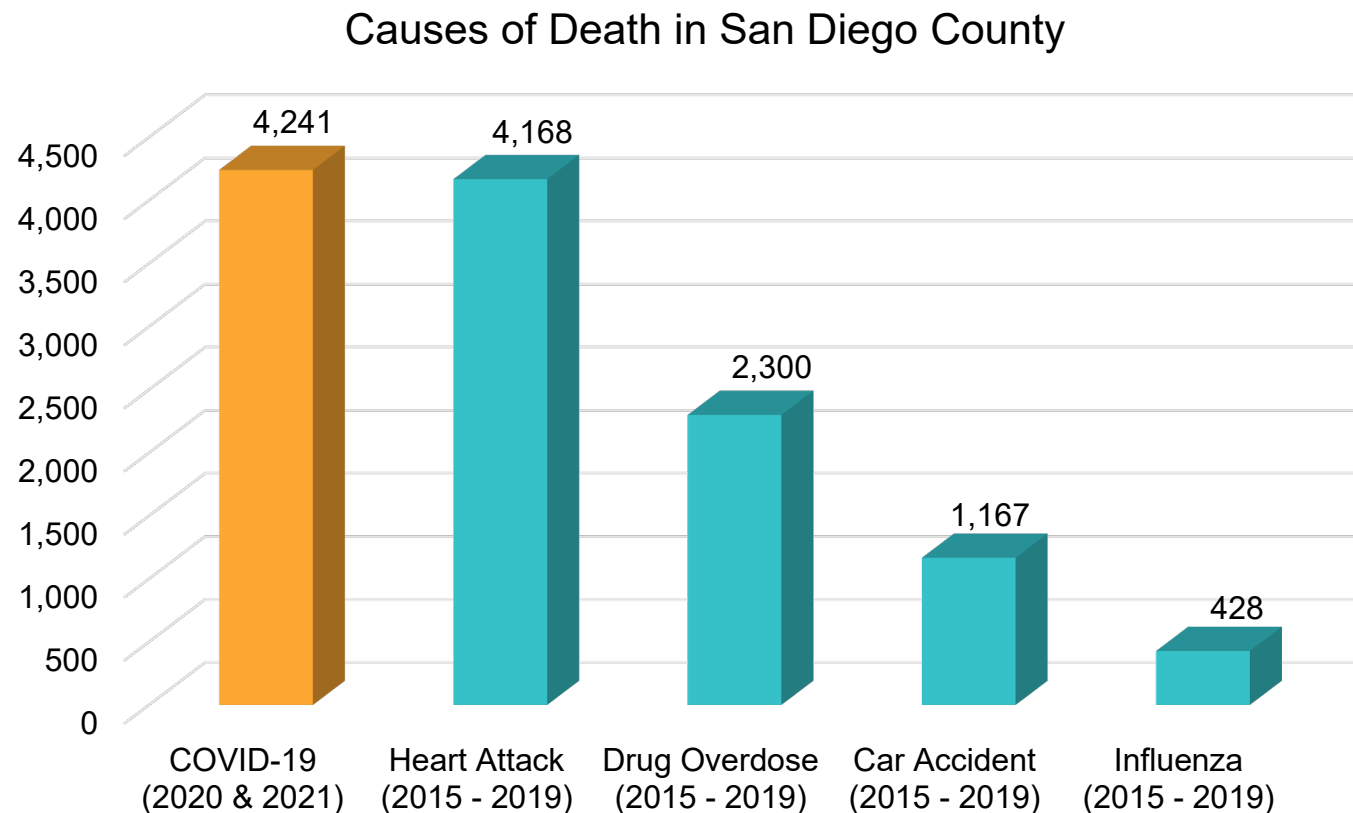
11/1/21 - [Johns Hopkins University COVID-19 Dashboard](https://coronavirus.jhu.edu/data/deaths)

# COVID-19 DEATHS IN SAN DIEGO COUNTY



LIVE WELL  
SAN DIEGO

**There have been over 4,000 COVID-19 deaths in San Diego County.  
How does that compare to other causes of death in the region?**

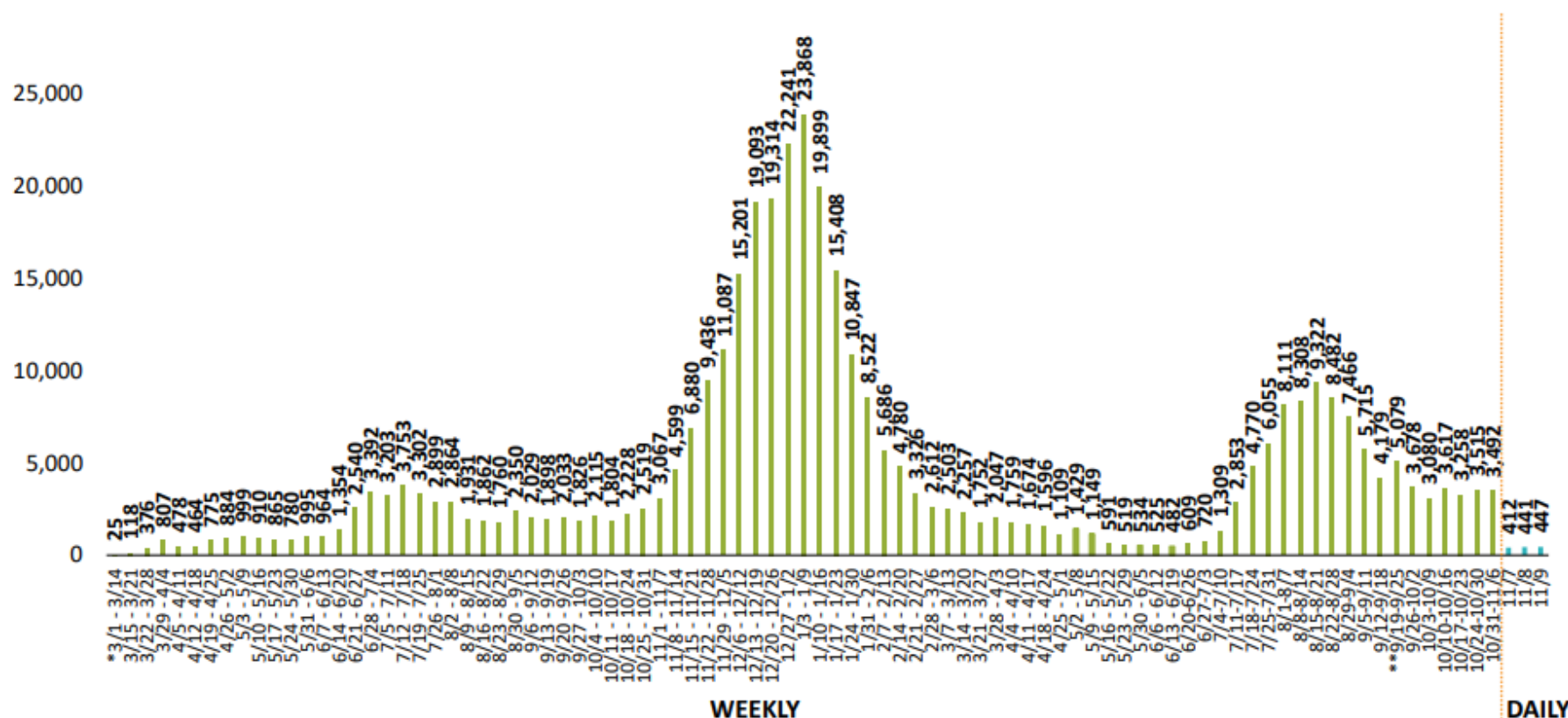


# COVID-19 CASES BY DATE REPORTED



LIVE WELL  
SAN DIEGO

## COVID-19 Cases Among San Diego County Residents New Cases by Date Reported Total Number of Cases = 376,114



Data are preliminary and subject to change. As of 10/3/2021, new case counts include cases that are presumed reinfections, defined as a positive test more than 90 days after the first positive test for a previous infection or an infection with a different lineage; prior weeks by week reported (green bars); most current week by date reported (blue bars); \*Weeks with <6 cases were combined; \*\* Includes batch of cases that would have been reported 9/14/2021 – 9/20/2021; Data available at: <https://sdgis-sandag.opendata.arcgis.com>. Prepared by County of San Diego, Emergency Operations Center, 11/10/2021

[Weekly Status Update](#)  
[sandiegocounty.gov](https://sandiegocounty.gov)



# VACCINATION IN SAN DIEGO COUNTY



LIVE WELL  
SAN DIEGO

## County of San Diego COVID-19 Vaccination Dashboard

**Eligible Population: 2,802,581 San Diegans**

**San Diego County Residents Vaccinated with At Least One Dose**

**2,548,281**

**90.9%** 

**San Diego County Residents Fully Vaccinated \***

**2,310,295**

**82.4%** 

\*Fully Vaccinated is based on receiving either a single dose of Johnson & Johnson or both doses of Moderna or Pfizer, therefore completing the recommended vaccination series. However, individuals are not considered fully vaccinated until two weeks after completing the series, as defined by the Centers for Disease Control and Prevention (CDC). Eligible Population expanded to 12 years and older as of 5/13/2021. Eligible Population is San Diego County residents age 12 years and older, or 2,802,581 individuals. The total San Diego County population is 3,347,827. Population estimates are California Department of Finance 2021 Population Estimates, April 2021 release. Individuals vaccinated from some tribal entities and some prisons and federal detention facilities are not included, as these providers do not report to SDIR. Veterans Affairs individuals vaccinated added 4/28/2021. Department of Defense (DoD) individuals vaccinated added 5/6/2021. A small number of individuals vaccinated at DoD San Diego sites are residents of surrounding counties but receive care in San Diego County. San Diego County residents vaccinated with Johnson & Johnson Janssen single dose vaccine are included in "vaccinated with at least one dose" and "fully vaccinated" categories

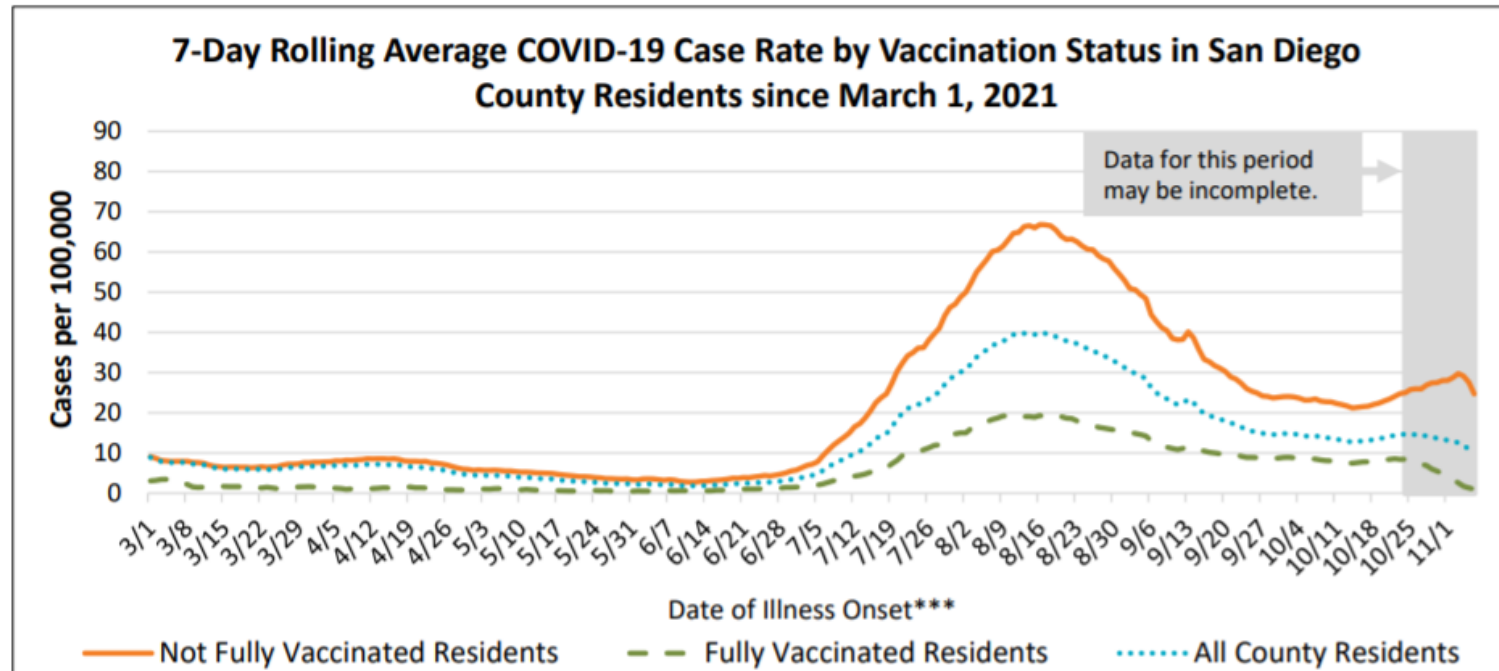
# COVID-19 CASES BY VACCINATION STATUS



LIVE WELL  
SAN DIEGO

Case rate for not fully vaccinated residents is **3 times higher** than fully vaccinated residents

Average Daily Cases per 100,000 (7-day average with 14-day lag: 10/17/2021– 10/23/2021)		
Not Fully Vaccinated*	Fully Vaccinated**	County Overall
<b>24.8</b>	<b>8.4</b>	<b>14.6</b>



\*Not fully vaccinated includes individuals with one dose of the two-dose series, no doses, or unknown vaccination status. Individuals less than 12 years of age who are not yet eligible for the vaccine are also included.

\*\*Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving the final dose of COVID-19 vaccine.

\*\*\*If case did not have symptoms or illness onset date is unavailable, the earliest of specimen collection date, date of death, or date reported is used instead.

For more information see the [COVID-19 Watch](#) and the [Summary of Cases by Vaccination Status](#).

Prepared by the County of San Diego. Data through 11/6/2021, updated 11/10/2021.

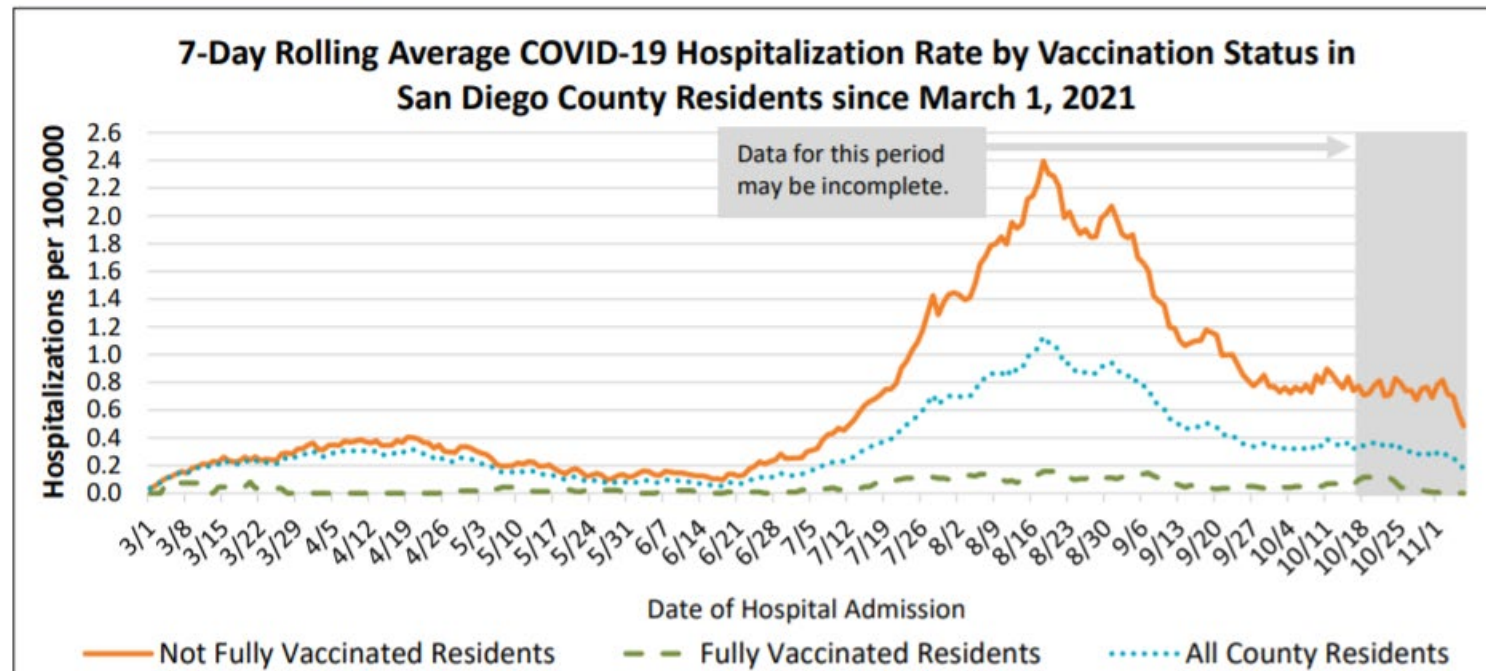
# COVID-19 HOSPITALIZATION RATE BY VACCINATION STATUS



LIVE WELL  
SAN DIEGO

Hospitalization rate for not fully vaccinated residents is **12 times higher** than fully vaccinated

Average Daily Hospitalizations per 100,000 (7-day average with 21-day lag: 10/10/2021 – 10/16/2021)		
Not Fully Vaccinated*	Fully Vaccinated**	County Overall
<b>0.74</b>	<b>0.06</b>	<b>0.32</b>



\*Not fully vaccinated includes individuals with one dose of the two-dose series, no doses, or unknown vaccination status. Individuals less than 12 years of age who are not yet eligible for the vaccine are also included.

\*\*Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving the final dose of COVID-19 vaccine.

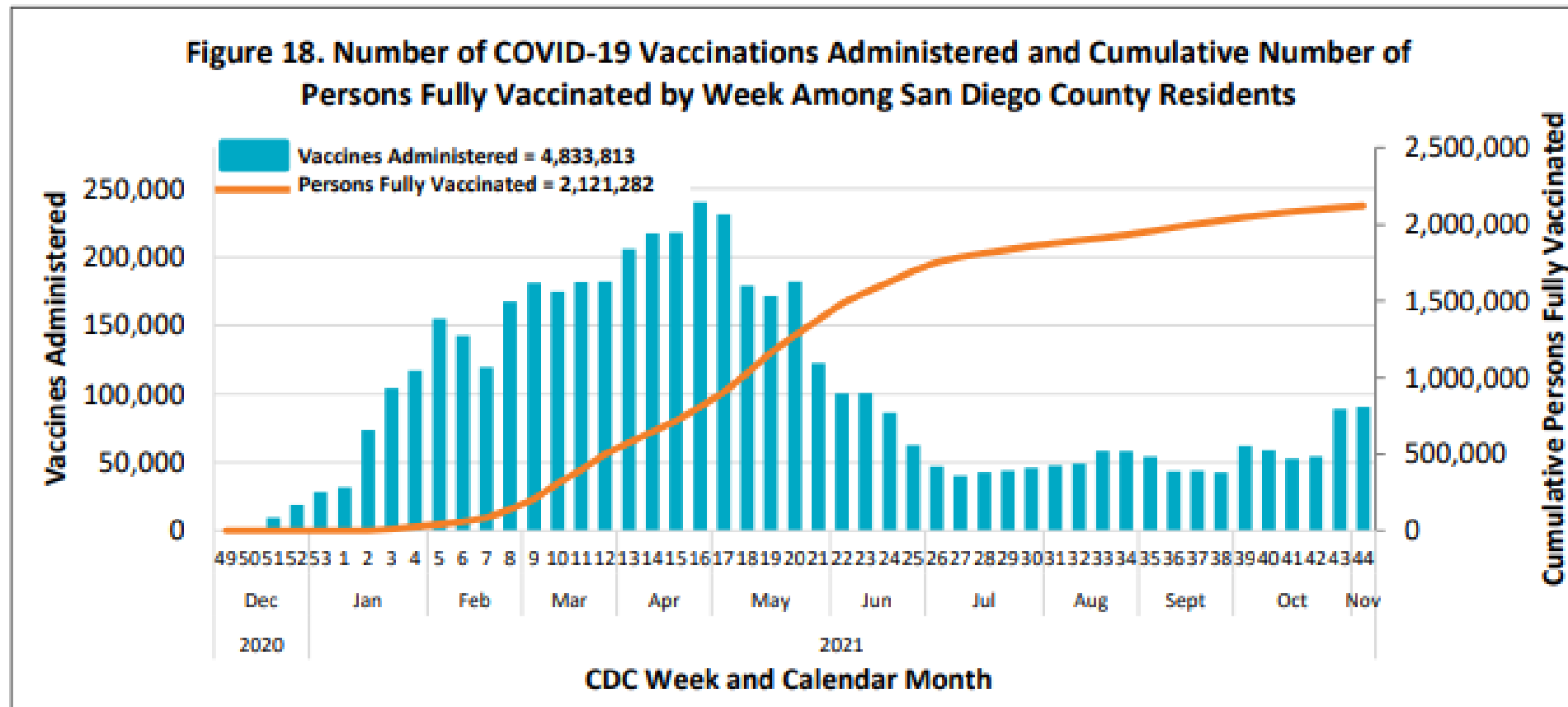
For more information see the [COVID-19 Watch](#) and the [Summary of Cases by Vaccination Status](#).

Prepared by the County of San Diego. Data through 11/6/2021, updated 11/10/2021.

# COVID-19 VACCINATIONS



LIVE WELL  
SAN DIEGO



The bars show vaccines administered, not individuals vaccinated. The line shows the cumulative number of persons fully vaccinated per the dose and schedule regimen for the vaccine received.

# AGE ADJUSTED COVID-19 HOSPITALIZATION AND CASE RATES



LIVE WELL  
SAN DIEGO

Figure 12. Age-Adjusted Rates of Hospitalizations by Race/Ethnicity, San Diego County Residents

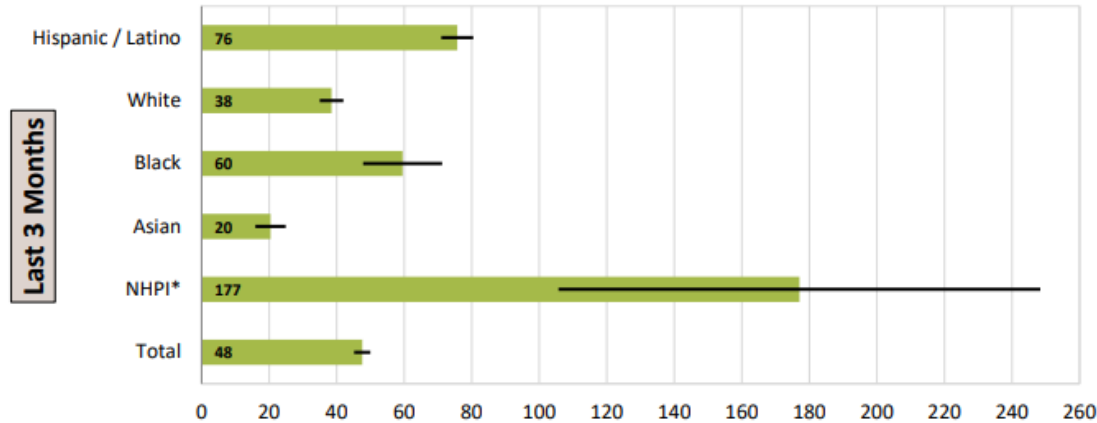


Figure 10. Age-Adjusted Rates of Confirmed Cases by Race/Ethnicity, San Diego County Residents

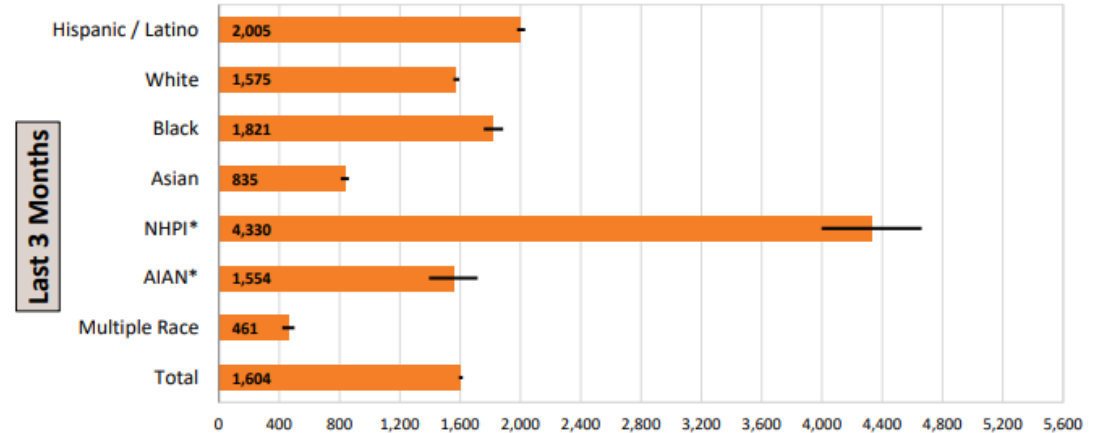


Figure 13. Age-Adjusted Rates of Hospitalizations by Race/Ethnicity, San Diego County Residents

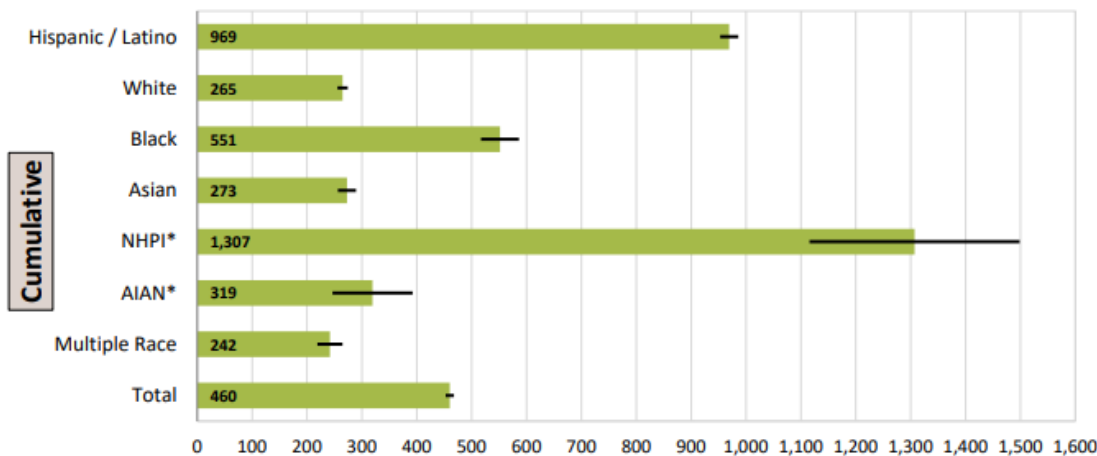
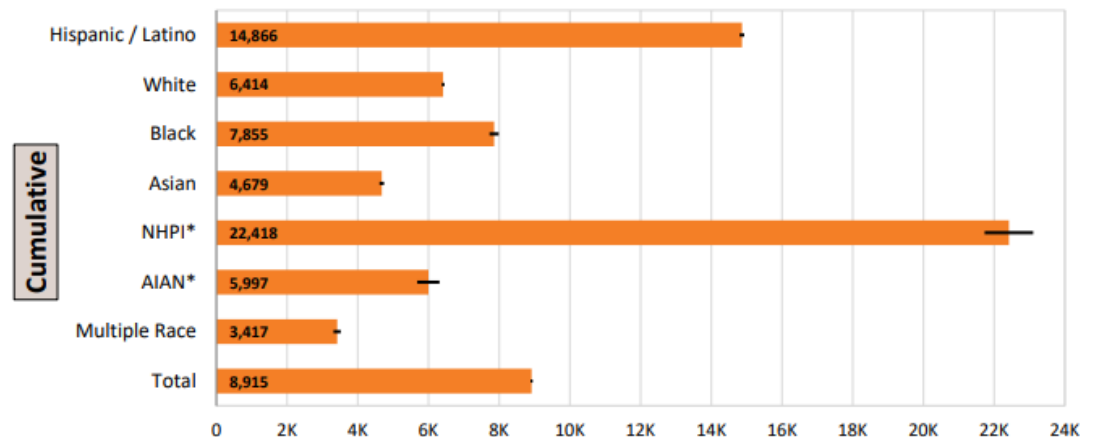


Figure 11. Age-Adjusted Rates of Confirmed Cases by Race/Ethnicity, San Diego County Residents



The black lines represent the 95% confidence intervals (error bars).

Rates are not calculated for fewer than 20 events. Hospitalization rates were not calculated for the last three months for Multiple Race and AIAN because these categories have fewer than 20 events.

\*NHPI=Native Hawaiian/Pacific Islander, AIAN=American Indian/Alaska Native.

The black lines represent the 95% confidence intervals (error bars). Rates are not calculated for fewer than 20 events.

\*NHPI=Native Hawaiian/Pacific Islander, AIAN=American Indian/Alaska Native.



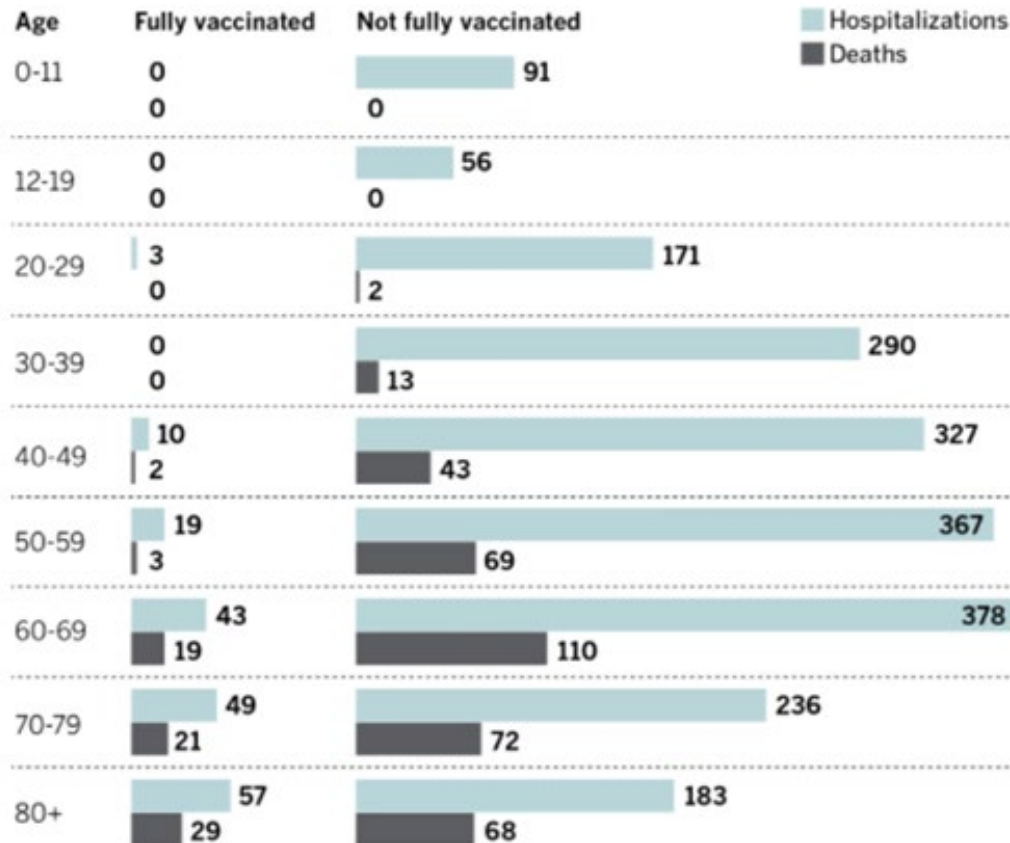
# COVID-19 HOSPITALIZATION AND DEATH BY VACCINATION STATUS



LIVE WELL  
SAN DIEGO

## COVID-19 vaccinations, hospitalizations and deaths

San Diego County hospitalizations and deaths by age for those who are fully vaccinated and not fully vaccinated since June 1.



Data through Sunday. Not fully vaccinated includes individuals with one dose of the two-dose series, no doses or unknown vaccination status. Individuals less than 12 years of age who are not yet eligible for the vaccine are also included.

Source: San Diego County

CRISTINA BYVIK U-T

[The San Diego  
Union Tribune](#)

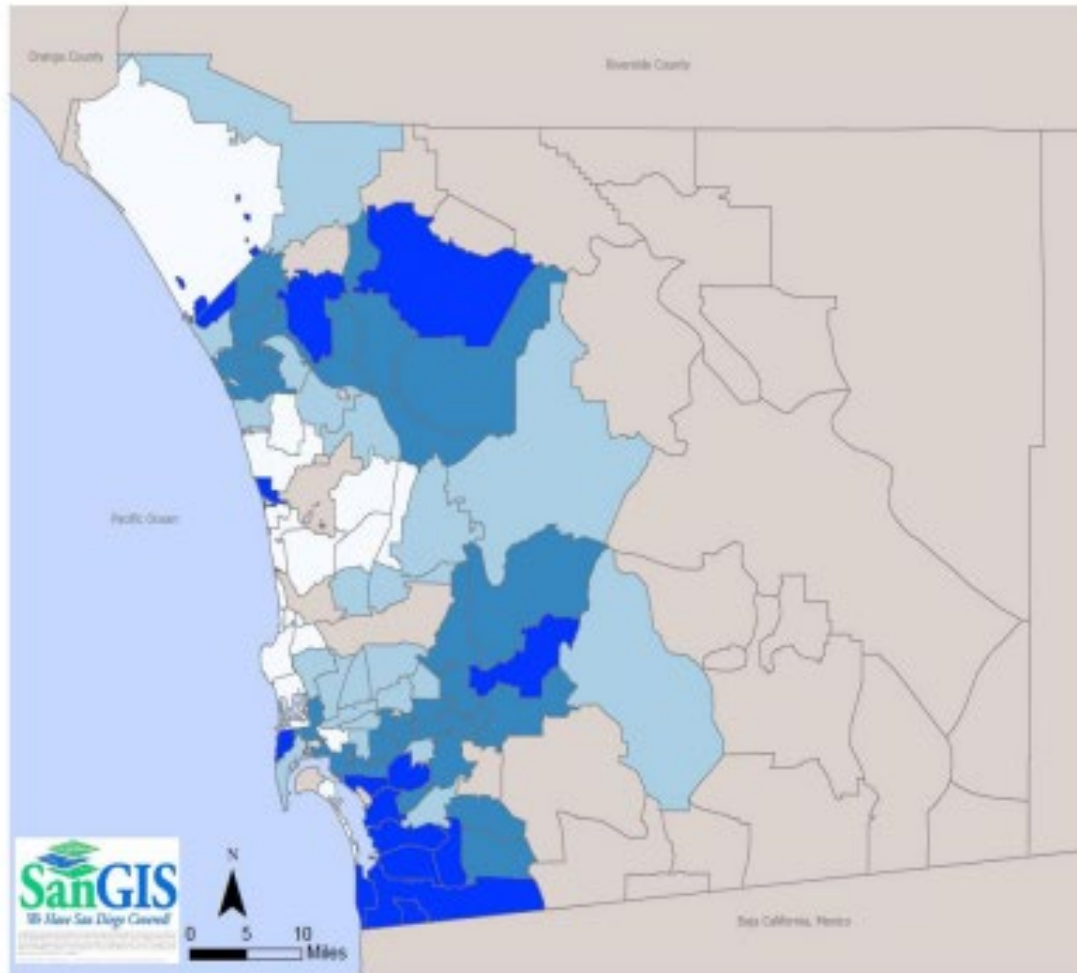
11/3/21



# CONFIRMED CASE RATE BY ZIP CODE



LIVE WELL  
SAN DIEGO



**Figure 14. Confirmed Case Rate by Zip Code of Residence, 10/24/2021-11/6/2021, San Diego County**  
(Countywide Rate = 210 per 100,000 Population)

Rate per 100,000 population

≤134

135 - 188

189 - 254

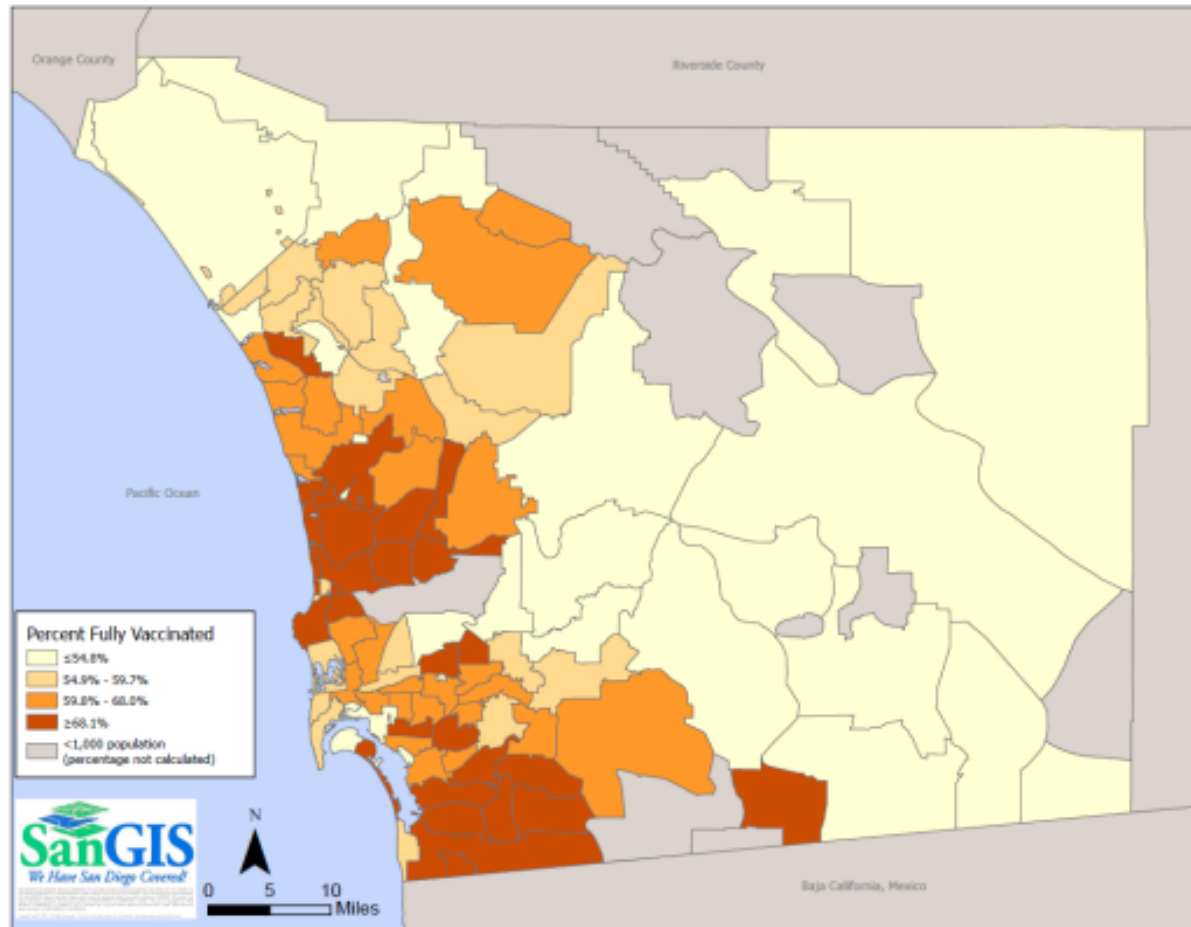
≥255

<5 cases or 10,000 population  
(rate not calculated)

# FULLY VACCINATED RESIDENTS BY ZIP CODE



LIVE WELL  
SAN DIEGO



**Figure 19. Percentage of the Total Population of San Diego County Residents Who are Fully Vaccinated, by Zip Code of Residence**

Only includes vaccines that have been recorded in the San Diego Immunization Registry (SDIR). Some healthcare providers, including Veteran's Affairs, the Department of Defense, some tribal entities, and prisons do not report to SDIR. See this [dashboard](#), updated daily, for more detailed vaccine status information for San Diego County. Data source: San Diego Immunization Registry, SANDAG 2019 Population Estimates (Prepared June 2020).

Data through  
11/6/2021

Epidemiology and Immunization Services Branch  
[www.sdepi.org](http://www.sdepi.org) (619) 692-8499



# THANK YOU TO OUR PARTNERS



LIVE WELL  
SAN DIEGO



CALIFORNIA EMERGENCY MEDICAL  
SERVICES AUTHORITY



SAN YSIDRO  
HEALTH

**ASPR** Office of the Assistant Secretary for  
Preparedness & Response

**PALOMAR  
HEALTH**



CITY OF  
CHULA VISTA®



FAMILY HEALTH CENTERS  
OF SAN DIEGO

The City of  
**SAN DIEGO**

neighborhood



# THANK YOU!

---



LIVE WELL  
SAN DIEGO